



H R B - S I N G E R , I N C .  
SCIENCE PARK, P.O. BOX 60 • STATE COLLEGE, PA. • ADAMS 7-7611

December 27, 1962

U. S. Geological Survey  
Chief, Branch of Theoretical Geophysics  
Washington 25, D. C.

Attention: Mr. R. M. Moxham

Gentlemen:

Reference: (1) Telecon between Mr. Moxham of U. S.  
Geological Survey and Dr. Woodbridge  
of HRB on 12-20-62  
(2) HRB Proposal P-2496

HRB-Singer, Inc. is pleased to submit its letter proposal, P-2496, for rental of a Reconofax VI Infrared Mapping Set and provision of associated engineering field services. Under terms of this proposal, HRB will furnish: (1) a Reconofax VI for mounting in an aircraft to be provided by the U. S. Geological Survey, and (2) a fully qualified engineer to assist in system installation as well as subsequent equipment operation. It is understood that the exercise will be conducted in the Honolulu, Hawaii area.

In accordance with your request, the costs for this exercise are shown for a one week period and a three week period.

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U. S. Geological Survey

December 27, 1962

- 2 -

based on these standard charges with no additional overtime rates charged.

Travel and shipping charges will be charged at actual cost plus an 11% G & A. Travel receipts will be available to substantiate charges.

Reconofax rental charge is our standard charge for this service. This rate is no higher than that charged our favorite customer.

Approximately 130# of Reconofax VI equipment will have to accompany the engineer to Hawaii. This is expensive shipment but it is the only way to guarantee equipment availability on time. Shipping charges for this equipment will be approximately \$3.00 per pound, and the transportation cost will be billed at actual cost plus G & A.

One Week Period

Reconofax VI Rental	\$750.00
Field Engineer	374.80
Field Engineer Subsistence (7 days)	155.40
Senior Engineer Support at State College (12 hours)	133.56
Round Trip (State College to Honolulu)	640.00
Shipping Charge for Reconofax VI (Rd trip)	866.00
Automobile Rental	<u>110.00</u>
	<u>\$3,029.76</u>

Three Week Period

Reconofax VI Rental	\$2,250.00
Field Engineer	1,124.40
Field Engineer Subsistence (21 days)	466.20
Senior Engineer Support at State College (12 hours)	133.56
Round Trip (State College to Honolulu)	640.00
Shipping Charge for Reconofax VI (Rd trip)	866.00
Automobile Rental	<u>330.00</u>
	<u>\$5,810.16</u>



U. S. Geological Survey

December 27, 1962

- 3 -

These program costs are based on the following:

(a)



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(b)

That Geological Survey will provide the test aircraft, pilot, and materials and labor for mounting the Reconofax VI. The HRB field engineer will assist in supervision of the installation to see that the Reconofax unit is properly installed.

(c)

That Geological Survey furnish the required amount of test film. Any of the following films may be used:

\*Federal Stock No. 6750-576-1878  
70 mm x 100' roll  
Type II ASA perforations  
Spool (MS-24343-4)  
Leader and Trailer  
Daylight Loading

\*Films supplied under this stock number are otherwise known by such tradenames as:

Eastman Kodak SP475 Tri-X  
Ansco Super Hypan  
Eastman Kodak Aerocon Tri-X  
Eastman Kodak Royal Pan  
Ansco Triple S Pan  
Dupont Arrow Pan

We have found that EK SP475 Tri-X and Ansco Super Hypan give satisfactory results.

(d)

That Geological Survey furnish HRB with copies or selected portions of the [redacted] data. Additionally, it shall be understood that the Lessee Agreement (Attachment I) will form part of any contract resulting from this proposal.

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**HRB**

U. S. Geological Survey

December 27, 1962

- 4 -

The Reconofax VI will be available for lease beginning the latter part of January. At this time, it is not possible to guarantee the availability of [redacted] for these tests. HRB-Singer, Inc.

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[redacted]  
it will be made available.

HRB-Singer, Inc. looks forward to providing these measurement services for the Geological Survey as part of this interesting project.

As you know, Dr. Larry Lattman is presently engaged as a member of our infrared image interpretation group. We feel that our experience and background in [redacted] acquisition and information extraction techniques, and the geophysical sciences provides HRB with a unique capability in the field of image interpretation. Therefore, HRB would welcome the opportunity to participate in the data analysis phases of your program.

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Please do not hesitate to contact Mr. John A. Sobel III with regard to technical matters or Mr. John F. Knapp or the undersigned on contractual matters.

Very truly yours,

Original Signed By J. E. HESS  
James E. Hess, Manager  
Contract Administration

JEH:im  
Enclosure: Lease Agreement



HRB Proposal P-2496  
December 27, 1962

SPECIAL CONTRACT PROVISIONS

Lessee agrees to and does hereby release HRB-Singer, Inc. from any liability arising out of or in any way connected with the furnishing, operation and use of the leased equipment. Lessee further agrees to indemnify and hold harmless HRB-Singer, Inc. from any claims, suits, actions or causes of action arising out of or in any way connected with the furnishing, operation and use of the leased equipment.

Lessee agrees to return the leased equipment to HRB-Singer, Inc. in as good condition as when delivered to Lessee, except for reasonable wear and tear. For the purpose of this paragraph, "reasonable wear and tear" means that recurring wear and minor damage associated with and normally resulting from proper and careful use of the equipment. It also includes any damage of which the cost of repair is less than \$1,000.00.